

# NORTHERN FLIGHTS



Official newsletter of the Minnesota Ninety Nines Women Pilots

February 2017

Halleluiah! Early spring in Minnesota!! Hope many of you are getting some flying in with the onset of this early spring weather. A very hearty welcome to our newest members, **Aura Austin, Kennedy Raap and Margaret Miller!!!** All three are student pilots! Our Chapter offers a myriad of resources so please check our website and contact any of our officers or instructors if you have questions.

Our next meeting will be held at the Mora Airport on March 18th. **Natasha Stenbock** has been gracious enough to offer to provide a flying weather seminar in conjunction with the meeting so it should be a great time! Thanks so much Natasha! Hopefully many of you have provided feedback to her on any weather-related questions you have so she can tailor her presentation to get those questions answered. Natasha's presentation will start at 11:00 with our meeting following it. I'll be sending out details on directions to the airport and which hangar the meeting will be held in along with the agenda the week prior to the meeting. Also, if any of you have anything that you want to have covered during the meeting please let me know so I can add it to the agenda. I did get a notice from one of our members that the NOAA'S Weather-Ready Nation attachment didn't get sent with my last email. Sorry about that! I'll include that with the agenda also.

A couple of updates – if you haven't already done so, please complete the questionnaire that was sent out by our **Outreach Committee** and return it to Mikaela at Mikaela.sandager@gmail.com. Our Outreach Committee is working very hard to help our Chapter address personal interests and direction for maintaining a strong and effective membership.

It's time to send in your flight information for consideration for the North Central Section Spinning Prop Award! Info on the required information is contained in this newsletter. I would LOVE to send on a nominee from our chapter so please get in touch with me ASAP so we can get your information submitted. The award will be given out at the spring NCS meeting in Indianapolis in April. Flight times are not disclosed at the meeting so you never know - you may win!

Also, the deadline dates for the **Fly Now** and **Richard J. Santori scholarships** are fast approaching (March 1 documents to Marcy and March 15 respectively) so if any of you are interested in applying please contact Marcy (marcyd@wctatel.net) on the Fly Now Scholarship and me (pilotpatti@hotmail.com) on the Richard J. Santori Scholarship.

On a final note, for those of you who are AOPA members I hope you read the article on the C130 in the January issue. It's amazing what that aircraft can do – including LANDING ON A CARRIER!!!! Well, thankfully I won't be doing that any time soon!!!

As always, I wish you happy flying!

Patti





### **Chapter Chair**

Patti Sandusky  
pilotpatti@hotmail.com

### **Vice-Chair**

Cheryl Daml  
cdaml@msn.com

### **Treasurer**

Tracy Davenport  
tdavenport99@aim.com

### **Secretary**

Robyn Stoller  
arstoller@aol.com

### **Membership Chair**

Kjersti Kittelson  
kjerstiliv@gmail.com

### **Activities Chair**

Kjersti Kittelson  
kjerstiliv@gmail.com

### **Chapter Reporter**

Melissa Aho  
mkahoo@yahoo.com

---

Know of prospective members,  
contact our Membership Chair:

Kjersti Kittelson  
16527 Irwindale Ct,  
Lakeville, MN 55044  
kjerstiliv@gmail.com

---

### **Minnesota 99s website:**

Manager: Robyn Stoller  
arstoller@aol.com  
Backup: Elaine Morrow  
pilotelaine@aol.com

Northern Flights is published  
quarterly by the Minnesota 99s.  
Please send news and photos to:

Thuy Pieper  
11804 Georgia Avenue North  
Champlin, MN 55316  
612.817.4692  
aviatrix99@mac.com

## **FLYING ACTIVITIES**

**March 18**, Sat- 11:00 am Meeting, Flying weather seminar at Mora Airport

**April 21-23**, Fri.–Sun, 99s North Central Section Meeting, Indianapolis (IND or KEYE), Hilton Garden Inn Indianapolis Airport. Hosted by NCS Board.  
<http://ncs99s.org/>

**April 29-30**, Sat -Sun - Great Minnesota Aviation Gathering, Golden Wings Museum, Blaine Airport (ANE)- MN 99s are volunteering at this event.

**May 6** , Sat. - Flyout Granite Falls Municipal Airport  
Tour of Fagen WWII Museum.  
RSVP to Kjersti Kittelson: [kjerstiliv@gmail.com](mailto:kjerstiliv@gmail.com)

**June 11**, Sat., MN 99s Chapter Business Meeting, Minneapolis Intl Airport (MSP), MSP fire and rescue tour, MSP Airport Fire Station, 6920 34th Ave S., Minneapolis, MN 55450

**June 16-17**, Fri.-Sat. Int'l Forest of Friendship, Atchison, KS

**June 20-23**, Tues-Fri. ARC - Annual Air Race Classic (ARC). Contact Patti Sandusky to volunteer at Bemidji Regional Airport. Race starts Frederick, MD (KFDK), ends at Santa Fe, NM (KSAF) <http://www.airraceclassic.org/>

**Aug. 19**, Sat., or September, MN 99s Chapter Business Meeting, Flying Cloud (KFCM)

**Dec. 2**, Sat., Tree of Hope, Maple Lake (KMGG), Assemble toys for children in Minnesota hospitals over the holidays. Contact Elaine Morrow by email or phone 952-913-2356.

**Dec. 9**, Sat., MN 99s Chapter Holiday Party, Air Lake (KLVN), Holiday gathering and chapter meeting.  
Questions? Contact Kjersti Kittelson. RSVP to Patti Sandusky.

# Fly Now Award for Student Pilot and 99s Members

*Submitted by Marcy Drescher*



The FLY NOW Award is a progressive award given to Student Pilot Members with a need for financial assistance to become licensed pilots. The award provides up to \$6000 toward completion of the Recreational Pilot, Sport Pilot, Private Pilot certificate, or non-U.S. equivalent in any aircraft category. This award will be given progressively to winners AFTER they complete eligible milestones in their training.

Applicant must be an official Student Pilot Member of The 99s at least one month prior to the submission deadline. Must have a current medical certificate, if it is required for the pilot certificate sought. Applicant need NOT have soloed or passed the knowledge test.

Each applicant who belongs to a Chapter needs to request a recommendation from her Chapter Amelia Earhart Memorial Scholarship Chairman. Each applicant in a Section without Chapters needs to request a recommendation from her Section Amelia Earhart Memorial Scholarship Chairman. In addition, each applicant must have a Mentor, a 99 who will support her through the training process.

It is time to get your application ready for the Fly Now Award Scholarship if you are a student pilot and 99's member.

Information about this award and how to apply can be found by going to the International 99's web site – [www.ninety-nines.org](http://www.ninety-nines.org).

Select the Scholarships tab and choose "AE Memorial Scholarships."

Then select the second item in the list of choices – "Fly Now Award for Student Pilots."

It will contain all the information you need to prepare your application.

Remember, you must have been a member of the International 99's by Feb. 15 to apply for the scholarship. If you have not completed your membership by then, or if you know a student pilot who might qualify for the award, it will be available again in September.

Encourage any woman students you know to join the 99's so they can apply for this scholarship.

You must have the completed scholarship submitted to and received by me by March 15.

It can be submitted by e-mail to [marcyd@wctatel.net](mailto:marcyd@wctatel.net) (preferred) or by snail mail at:

**Marcy Drescher**

65560 180th St.

Alden, MN 56009

If you are considering applying for this scholarship, please let me know ASAP, so I can assist you with any questions you may have. Also, you may e-mail me each section of the application as you complete it, so I can look it over and advise you of any changes or corrections you may need to make.

## Boeing Aircraft video

*Submitted by Elaine Morrow*



For those of you who haven't toured the Boeing factory . . . Did you ever wonder how Boeing produces over 40 B737 airplanes a month?

The train arrives with the main body in the morning. Copy and paste the link below into your browser to view the video. This 3½ minute video is fascinating.

< <https://www.youtube.com/embed/SE71NJI-naY?autoplay=1> >

## First Lockheed Martin LM-100J Super Hercules Rolls Off the Production Line

*By Megan Elliott, Flying magazine*



Lockheed Martin's first LM-100J Super Hercules made its debut last week as employees walked the first model out of its production facility in Marietta, Georgia, marking a milestone in the aircraft's production.

The company has filed for an FAA civil type certificate, and this first LM-100J will undergo flight-testing as part of

the process. Its first flight is planned for spring. "The FAA has been an essential partner in this aircraft's production, and we look forward to continuing to work together as we move into the LM-100J's critical flight-test phase," said George Shultz, vice president and general manager of Air Mobility and Maritime Missions at Lockheed Martin.

Employees who designed and built the LM-100J rolled the aircraft off the production line on February 9, nearly three years after the company announced its intent to manufacture and market the super freighter.

"The LM-100J program has exceeded all expectations in moving from an idea to a reality," Shultz said. "We are at this point thanks to hard work and dedication of Lockheed Martin employees and suppliers, who have literally designed and built this new chapter of Super Hercules operations."

The LM-100J joins Lockheed's Super Hercules family as the ninth production version of the aircraft, supported by years of military C-130J operations. The super freighter is intended to support a variety of tasks, including: oversize cargo transport; oil dispersion and aerial spray; oil and gas exploration; mining logistics; aerial firefighting; aerial delivery; air ambulance; humanitarian relief; personnel transport; austere field operations; and search and rescue.

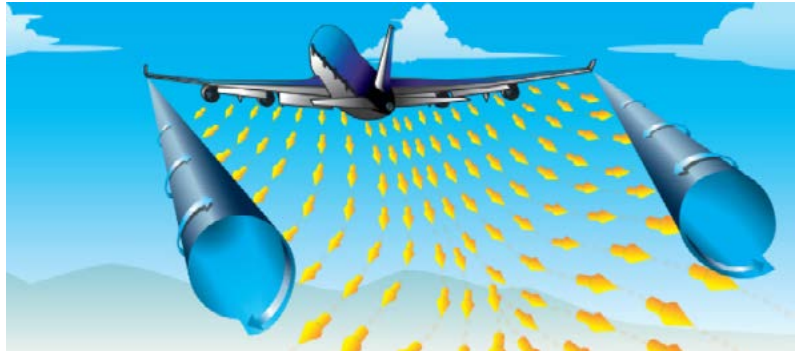
## TRAINING TIP

By Dan Namowitz, AOPA

### FLIGHT BENEATH THE SHELF

A student pilot was flying solo in a Cessna 172 beneath an overhanging shelf of Class B airspace, climbing through 3,200 feet msl to 3,500 feet msl, when air traffic control pointed out traffic to the right.

This wasn't the kind of traffic call that you resolve by spotting the opposing aircraft, reporting it in sight, and maintaining visual separation. The traffic was an Airbus descending through 3,500 feet msl and overtaking the Cessna.



“When I saw the large aircraft at my 3:00 I was instantly concerned about wake turbulence,” the student pilot said, sharing the learning experience with AOPA in an email.

The student pilot's first impulse was to climb higher than his planned 3,500-foot-msl cruise altitude for some extra safety margin.

But that plan had a major glitch: The overhanging Class B airspace was an uncomfortable, prohibitive 100 feet higher than his intended altitude.

Already apprehensive about a possible wake encounter, the added complication of the airspace configuration threatened to overwhelm the student pilot's ability to devise a solution.

Then the trainee recalled studying a graphic that depicted the flow field of wingtip vortices; it also noted that vortices descend at several hundred feet per minute. The Aeronautical Information Manual explains that vortices from larger aircraft sink and tend to slow their descent and diminish in strength “with time and distance behind the generating aircraft” and that pilots “should fly at or above the preceding aircraft's flight path, altering course as necessary to avoid the area behind and below the generating aircraft.”

Recalling the information he had studied made the difference.

“It gave me the confidence to not panic since the Class B shelf in that area is at 3,600,” he wrote. Understanding that leveling off at 3,500 feet would be sufficient to avoid trouble, the student pilot “did just that and had a smooth and uneventful flight.”

Any pilot flying close to Class B airspace should be familiar with the rules for operations in that airspace, even if the flight won't penetrate its boundaries. For student pilots not seeking a sport pilot certificate or a recreational pilot certificate, that means reviewing 14 CFR 61.95.

Don't end your prep there. Ask yourself how you would manage scenarios you may have experienced before—weather, instrument or mechanical glitches, low fuel—with a chunk of busy, rigorously controlled airspace complicating decisions you must make.





## North Central Section Spinning Prop Award 2017



How would you like to be acknowledged by the North Central Section for flying? If this sounds great, then the **NCS Spinning Prop Award** is for you. Our Spinning Prop Award recognizes the NCS member who logs the most general aviation hours in a one-year period. Think airplane, helicopter, glider, balloon and more. Take to the skies and log those hours!

**Purpose:** The North Central Section Spinning Prop Award was created to encourage and promote more flying by our members.

**Pilot Eligibility:** The award is open to all NCS Ninety-Nines and Student Pilot members. If a member joined mid-period of eligibility, only those hours accrued during that portion of the year that she was an official Ninety-Nine or Student Pilot count toward the award. All applicants must be international members.

**Hours of Eligibility:** General Aviation hours for which the pilot did not receive any compensation are eligible. (Note to CFIs: time can count toward the award if you provided free dual and therefore no compensation was received.) Safety pilot time is applicable. Student time is eligible when logging PIC time. Simulator time is not eligible.

**Dates of Eligibility:** March 1, 2016 through February 28, 2017.

**How to Apply:** Submit your name, the date you joined the 99s, and the total number of qualifying hours\* to your Chapter Chair. The 99 with the most hours will be asked to submit hard copies of her logbook for the applicable period. Both sides of the logbook need to be copied and numbered clearly. Please number the left side page as XXA and right side as XXB (1A, 1B, 2A, 2B, etc.) Those hours which are not applicable to the award must be identified. Eligible hours are to be identified and totaled. Chapter Chairs will submit the names and logbook copies to the NCS Directors.

*\* Hours are defined as what is shown in your current logbook.*

**Chapter Chairs:** Please request copies of the relevant logbook pages of your member with the most number of hours during the Dates of Eligibility. Please submit the information requested above (see How to Apply) and logbook pages of your chapter's nominee to NCS Directors Cheryl Daml and Margaret Wint via email at [director@ncs99s.org](mailto:director@ncs99s.org) or send a hard copy mailing to Cheryl at 10105 Pleasure Creek Circle, Blaine, MN 55434.

**NOTE:** By mail or email, clear images of all logbook pages must be submitted. For emails, each nominee's documentation should be sent as a single PDF file after scanning every logbook page for the PDF file. No submissions will be allowed without the proper logbook data.

**For NCS Members at Large:** You may nominate yourself and mail copies of the relevant logbook pages directly to the NCS Directors at the address above.

**Other Information:** The Award will be presented at the NCS Spring Section meeting in Indianapolis, IN (April 21-23, 2017). We will recognize each Chapter's high flyers and celebrate their time in the sky.

**Deadline:** All submissions are due to the Directors POSTMARKED OR EMAILED NO LATER THAN Wednesday, March 15, 2017 (11:59 pm).

**For Further Information:** Contact Cheryl Daml and Margaret Wint at [director@ncs99s.org](mailto:director@ncs99s.org).

# Tree of Hope and Holiday Party Photos



## PILOT RESOURCES

We have talented flight instructors willing to provide their services. Please feel free to reach out to any of the ladies below to tap into their aviation experience.

### **Cheryl Daml**

CFI ratings: Private, Instrument,  
Commercial, CFI, CFII  
612-272-9717  
cdaml@msn.com  
Airport: Anoka, MN

### **Marcy Drescher**

CFI ratings: Single and Multi engine  
Instrument, Glider  
507-265-3488, cell 507-473-0167.  
65560 180th St., Alden, MN 56009.  
marcyd@wctatel.net.  
Airport: Wells, MN.

### **Mikaela Sandager**

CFI ratings: Private  
10461 4th St NE  
Hanover MN 55341-4050  
C (612) 816-1439  
mikaela.sandager@gmail.com

### **Kjersti Kittelson**

CFI/CFII ratings: Private, Instrument,  
Commercial ASEL and ASES  
Multi-instructor  
651.769.7093  
kjerstiliv@gmail.com  
Airport: Airlake or lower metro airports.

Feel free to send any additional resources/websites you would like to be seen here in the future to Thuy at [aviatrix99@mac.com](mailto:aviatrix99@mac.com)



**THE NINETY-NINES, INC.**  
*International Organization of Women Pilots*



## WEBSITES

<http://minnesota.ncs99s.org>

<http://www.mnpilots.org/>

<http://www.ninety-nines.org>

<http://avmedmn.com>

<http://www.aopa.org/asf/publications/flashcards/>

<http://www.faa.gov>

Safety seminars <https://www.faasafety.gov/spans/events/EventList.aspx?statecd=MN>

<http://www.dot.state.mn.us/aero/avoffice/aviationaz.html>  
Click on Aeronautical chart

<http://www.eaa.org>

[http://www.nxtbook.com/nxtbooks/aopa/flashcards\\_201310/](http://www.nxtbook.com/nxtbooks/aopa/flashcards_201310/)